(No Model.)

W. KRESSLY.

FOOT REST FOR VELOCIPEDES.

No. 293,581. Patented Feb. 12, 1884.

Fig. 1.

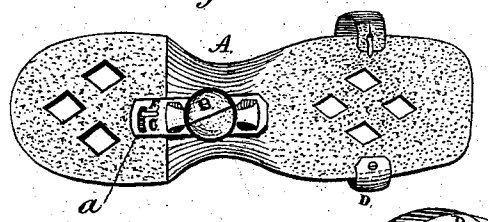


Fig. 2.

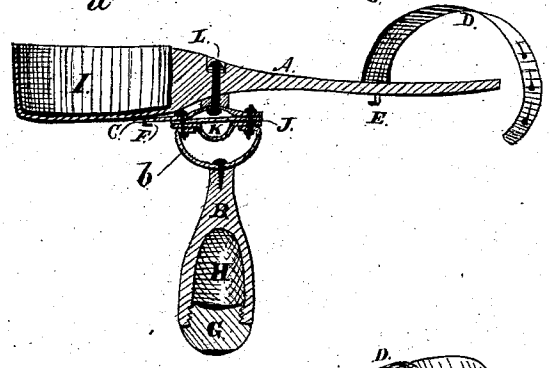
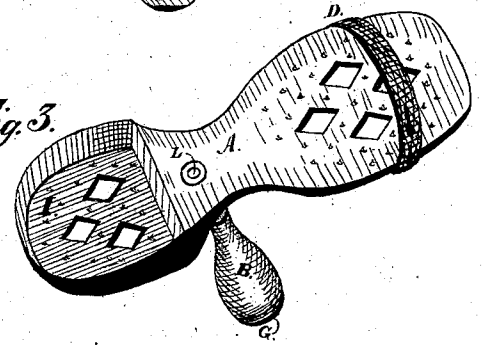


Fig. 3.



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UNITED STATES PATENT OFFICE.

WILSON KRESSLY, OF WASHINGTON, LEHIGH COUNTY, PENNSYLVANIA.

FOOT-REST FOR VELOCIPEDES.

SPECIFICATION forming part of Letters Patent No. 293,581, dated February 12, 1884.

Application filed November 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILSON KRESSLY, a citizen of the United States, residing in Washington township, (Best P. O.,) in the county of Lehigh and State of Pennsylvania, have invented a new and useful self-balancing foot-rest for attaching to cranks of bicycles, tricycles, and velocipedes, so as always to be balanced to receive the foot in a natural position, of which the following is a specification.

The objects of my improvements are, first, to balance the foot-rest; second, to afford facilities for the rider to mount the vehicle; and, third, to give the person riding an easy and natural position for the foot. I attain these objects by the mechanism, as is fully set forth in the following specification, and illustrated in the accompanying drawings, in which—

Figure 1 is an under perspective view of my foot-rest; Fig. 2, a vertical section of the foot-rest, and Fig. 3 a perspective view of the foot-rest.

Similar letters refer to similar parts throughout the several views.

A designates a foot-rest, which is preferably made of cast metal, adapted to the sole and heel of the boot, and provided with a toe-strap, D, and a fastening, E, therefor. Near the heel-depression I of said foot-rest I secure a weight, B, by means of a bolt, L. The lower headed end of this bolt L and a small block pivotally secure a plate, C, to the bottom of the foot-rest, which plate is provided with a segmental slot, *a*, near its rear end, that receives a hook-fastening, F, which is attached to the heel of the foot-stand. By this device the foot-stand will accommodate itself to natural lateral movements of the foot of the rider. To the forward portion of the pivoted plate C, I adjustably secure the head *b* of the weight B by means of screws and an interposed packing, J.

K designates the aperture through which the crank-pin of the driving-wheel of the vehicle passes. By means of the connecting-screws and said packing the foot-stand can be tightened or loosened at its bearing on the crank-pin, as circumstances require. The weight B is hollow, as indicated at H, Fig. 1, for the purpose of receiving weights in such quantities as will balance the foot-stand at any desired position to suit the rider. The said weights are retained in the cavity H by means of a cap, G.

It will be observed that by means of the adjustable connection between the head *b* of the weight B and the plate C the foot-rest is held in proper place on its wrist-pin; also, that the foot-stand can be adjusted at any desired angle with respect to a horizontal plane; also, that the pendant or weight B can be loaded as may be desired; also, that the foot-stand is laterally adjustable.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a foot-rest for bicycles and other like vehicles, of a foot-stand having an adjustable coupling for attaching the foot-stand to a crank-pin, substantially as and for the purposes described.

2. The combination, in a self-balancing foot-stand, of the hollow weight B and removable cap G, substantially as and for the purposes described.

3. The combination of the self-balancing foot-stand, the pivoted slotted plate C, hook F, and the loaded pendant B, substantially as and for the purposes described.

4. In a self-balancing foot-rest, the combination of a laterally-adjustable plate, a hollow loaded pendant, and means for tightening or loosening the latter on a crank-pin, all constructed and adapted to operate substantially in the manner and for the purposes described.

WILSON KRESSLY.

Witnesses:
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